

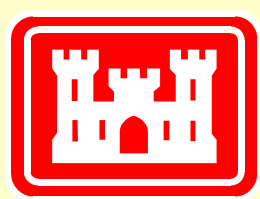
FORMERLY USED DEFENSE SITES

Huntsville Support Center Annual Stand-Down Meeting

Huntsville, AL

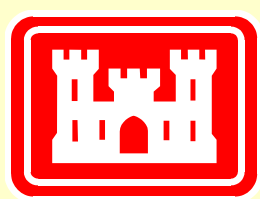
19 December 2001

**Chief, FUDS Branch
HQ, US Army Corps of Engineers (CEMP-RF)
(202) 761-4950**



Purpose of Briefing

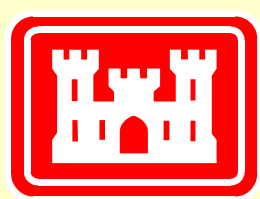
- Provide basic information on FUDS program
- Overview Program funding
- Review future UXO initiatives and funding



FUDS Program

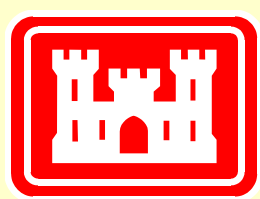
Goal. “To reduce, in a timely and cost effective manner, the risk to Human health and the Environment resulting from past DoD activities at formerly used Department of Defense properties.”

Definition. A real property formerly owned/leased/ possessed by, or under the jurisdiction of the Secretary of Defense within the 50 states, districts, territories, commonwealths, and possessions over which the U. S. has jurisdiction.



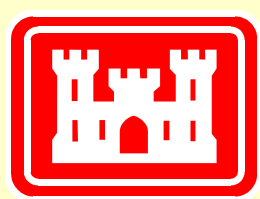
Introduction and Program Overview

- DoD is committed to correcting environmental damage caused by its activities
- The Defense Environmental Restoration Program (DERP) is the vehicle to accomplish this work
- The cleanup of FUDS is a part of this program
- FUDS are:
 - Properties that DoD once managed but, no longer bears land management responsibility
 - Properties located in all states and territories in the US
 - Properties that range from privately owned farms to national parks (e.g., residential areas, schools, colleges and industrial areas)



Introduction and Program Overview (cont'd)

- The Army is the executive agent for DoD, and the Corps of Engineers manages the cleanup of FUDS
- There are over 9,000 potentially contaminated FUDS properties; of those, approximately 2,700 require investigative and/or remedial or removal action
- The total cost for completing the remaining eligible FUDS projects is estimated at over \$18 billion
- The next five years annual budget planned is at an average of approximately \$190 million
- The FUDS program is under-funded to meet current commitments and stakeholder expectations

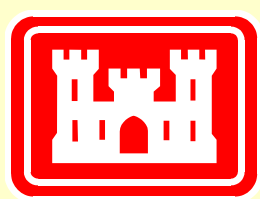


FUDS is a Different Animal



- The FUDS Program addresses only **DoD generated pollution** which occurred before transfer of property to private owners, or federal, state or local government owners.
- The Department of Defense does not own the property that FUDS is cleaning up.
- We do not certify that the property is clean.
- We rarely have a project office on site.
- We work hand in hand with current property owners and regulators on cleanup efforts.

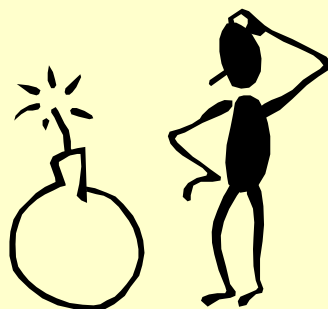




DERP-FUDS Missions



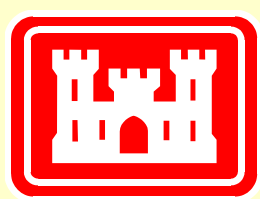
- Identification, Investigation, and Cleanup of Hazardous Toxic and Radioactive Waste (HTRW)



- Correction of other Environmental Damage - Ordnance and Explosives (OE)



- Building Demolition and Debris Removal (BD/DR)

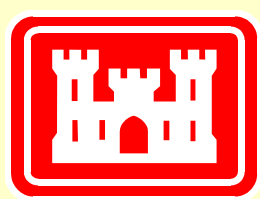


DERP-FUDS

Organization and Responsibilities



- **Policy Planning & Oversight**
 - Raymond Dubois, DUSD (E&I), John Paul Woodley, Jr, ADUSD(E)
 - Executive Agent: Secretary of the Army, ASA(IL&E)/DASA(ESOH) Ray Fatz and Rick Newsome
 - DA Staff Proponent: Chief of Staff, Army, ACSIM/DEP COL Richard Hoefert
 - Program Management: HQUSACE/CEMP-RF
- **Program Execution**
 - Geographic Military Divisions & Districts

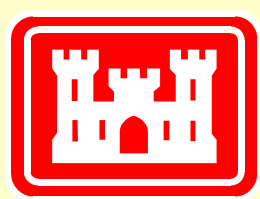


FUDS and the PPBES Process

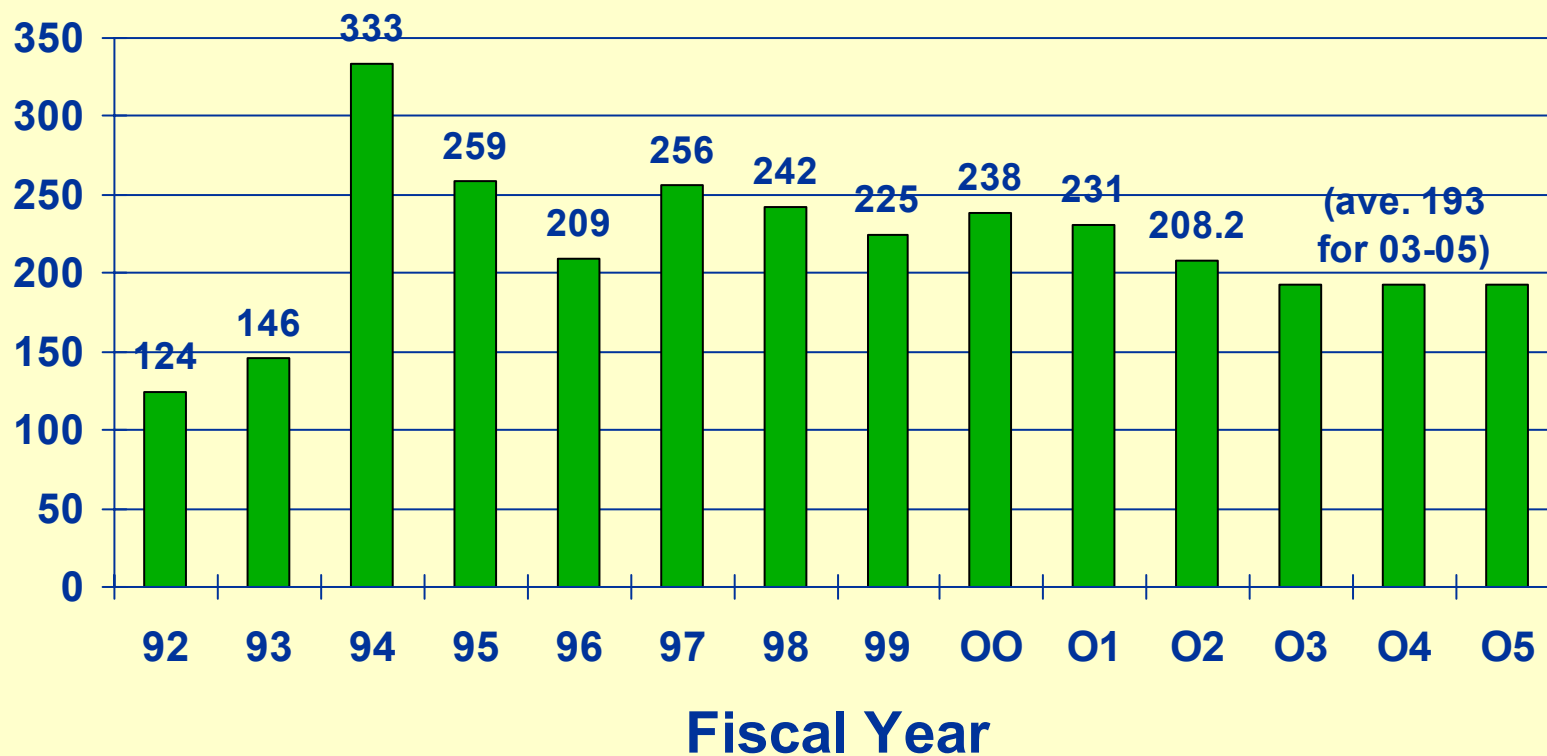
The Planning, Programming, Budgeting, and Execution System is so much fun ...

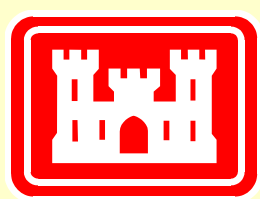
Because ...

When faced with a **90-year** FUDS threat, the Government responds with a **15-year** plan (planning) in a **6-year** Defense Program (programming for POM years), managed by **3-year** personnel (military O-6's), attempting to develop a **2-year** Budget (BES), which in reality is funded by a **1-year** Appropriation (PB), which is typically **4-6 months** late, actually formulated over a **3-day** weekend and approved in a **1-hour** decision briefing!!

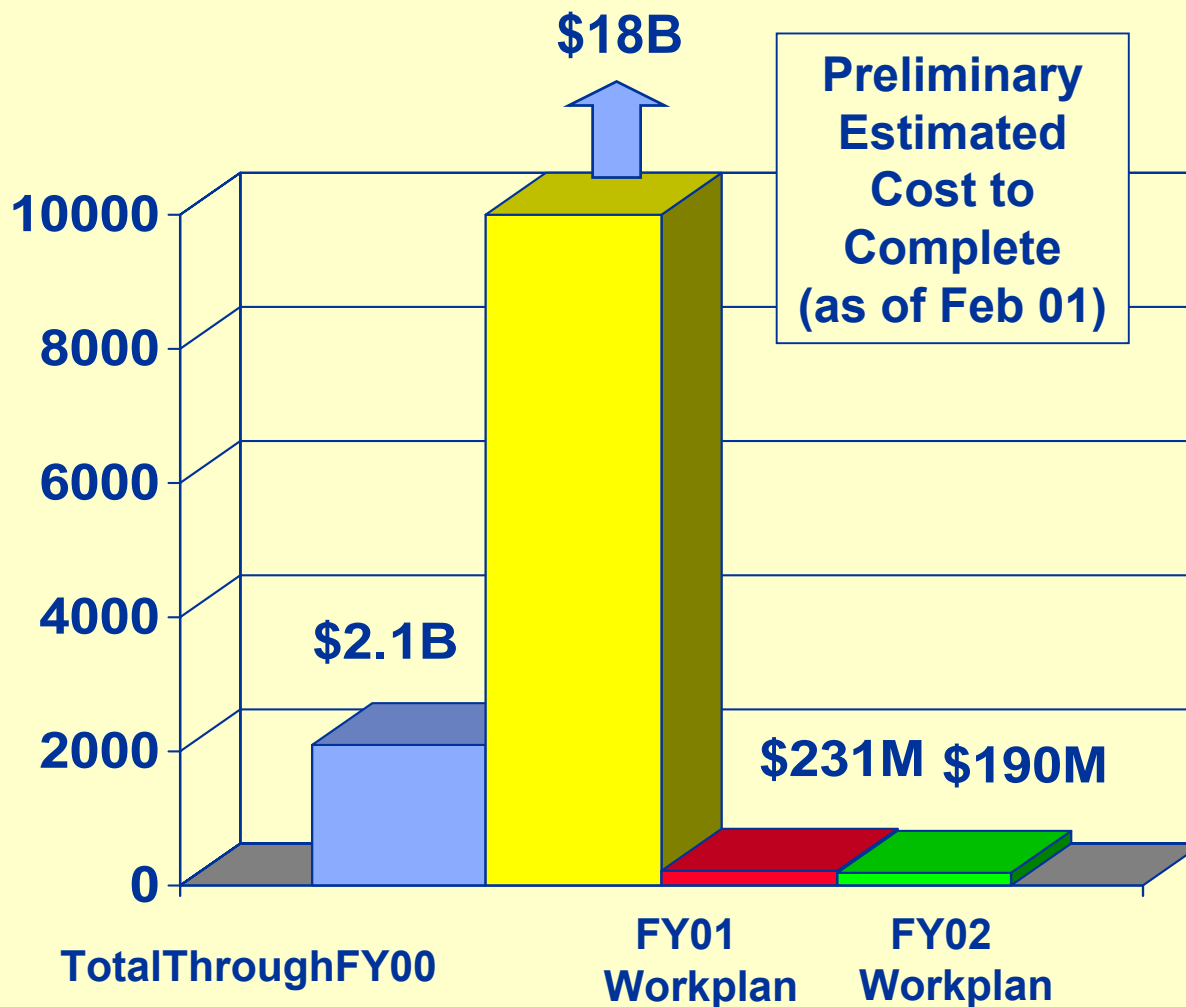


Fiscal Guidance Levels FUDS (in Millions of Dollars)

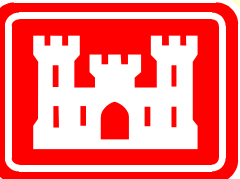




FUDS Progress (Lifecycle) (in Millions of Dollars)

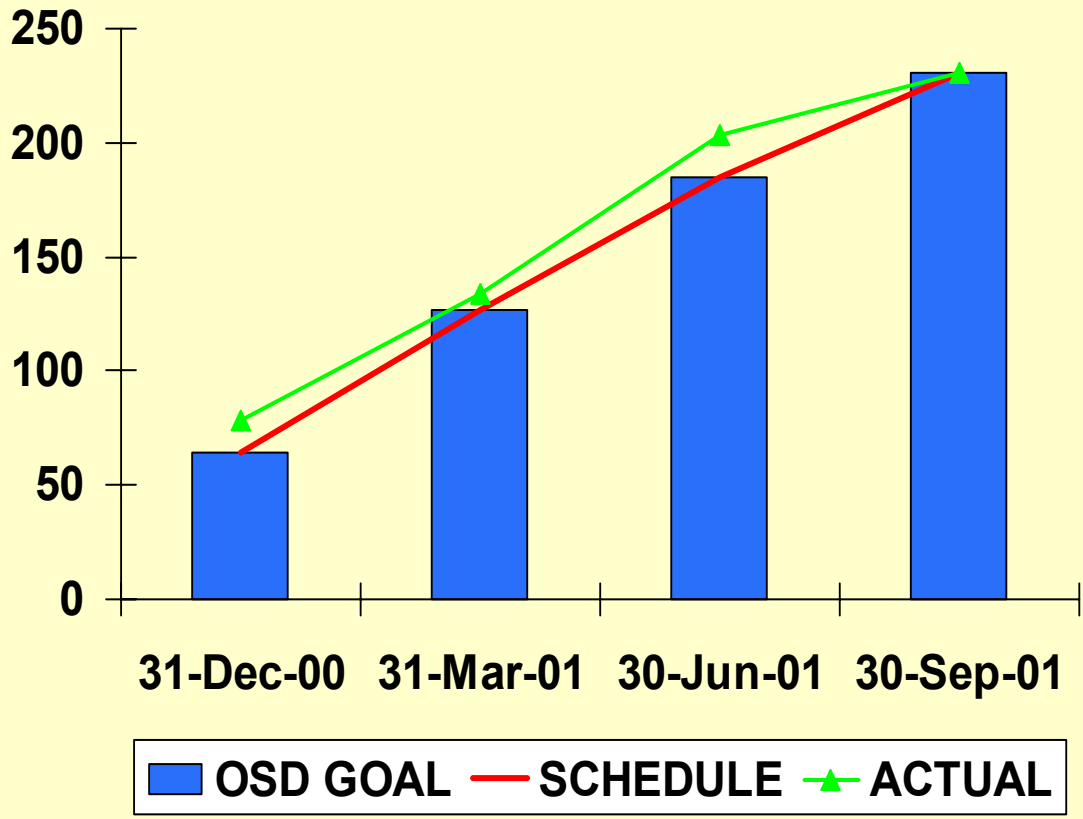


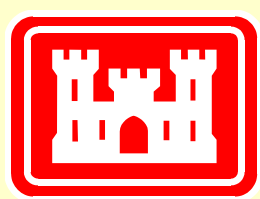
The US Army Corps of Engineers — Formerly Used Defense Sites..



FY01 FUDS Execution

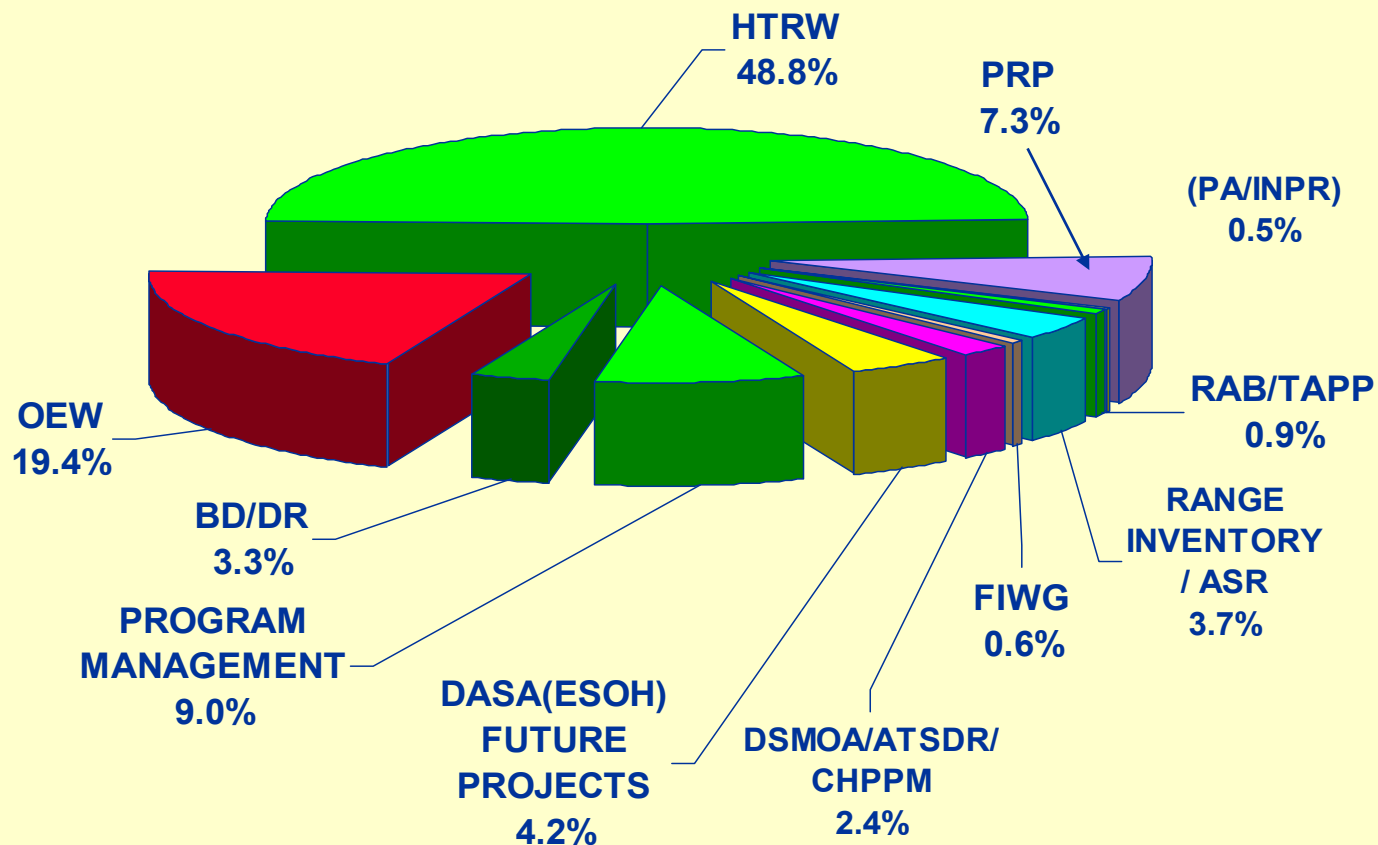
\$ Millions

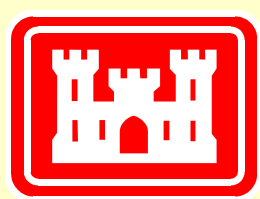




FUDS FY02 Workplan

TOTAL FUDS \$190.2M

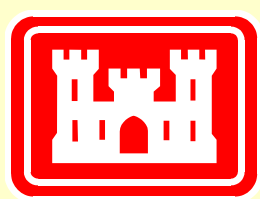




FUDS FY02 Workplan

Top DA/DOD Special Interest FUDS Properties

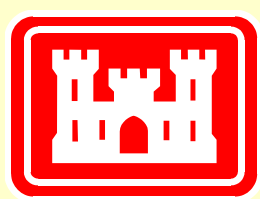
	State	Property Name	FY01 Funding	FY02 Funding
	DC	SPRING VALLEY	11898	11582
	MO	WELDON SPRING ORD WORKS	17805	9982
*	OH	MARION ENGINEER DEPOT	7803	8950
	CO	BUCKLEY FIELD	5749	6039
	AK	UMIAT AFS	5448	5739
	CN	TANAPAG VILLAGE PCB CONTAMINATION	5707	5500
	AK	NE CAPE (ST LAWRENCE ISLAND)	4091	3906
	VA	NANSEMOND ORD DEPOT	4391	3880
	WV	WEST VIRGINIA ORD WORKS	2999	3435
	NE	BLAINE NAVAL AMMUNITION DEPOT	2233	3374
	NE	NEBRASKA ORDNANCE PLANT	6816	3087
*	VA	AVTEX FIBERS	315	2800
	TX	CAMP HOWZE (FELDERHOFF)	0	2100
	SD	PINE RIDGE GUNNERY RANGE	2079	1955
	SD	BLACK HILLS ORD DPT	945	1845
	CA	BENICIA ARSENAL	1850	1450
	MI	KINCHELOE AIR FORCE BASE	2555	1408
	PA	FRANKFORD ARSENAL	359	1400
* Known Congressional Mandates				



FUDS FY02 Workplan

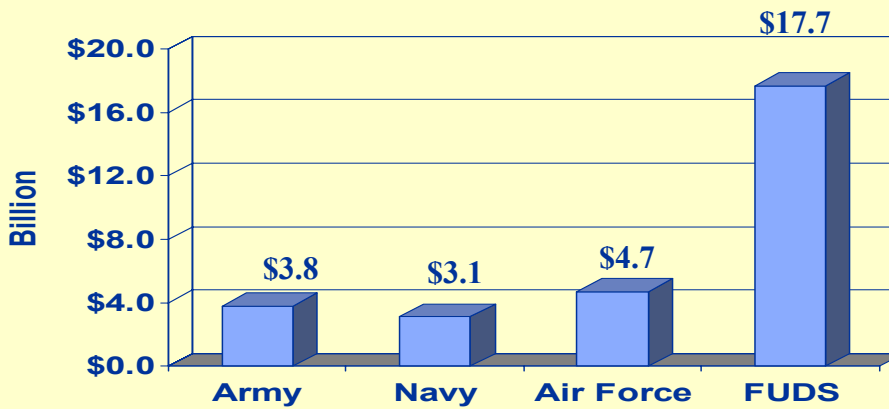
Top DA/DOD Special Interest FUDS Properties

CA	HAMILTON AAF	1541	1300
HI	WAIKOLOA MANEUVERING AREA	174	1010
TX	CAMP MAXEY	859	900
WA	LARSON AIR FORCE BASE	1731	642
OK	CLINTON SHERMAN AFB	1396	482
AR	SHUMAKER NAVAL AMMO. DEPOT	1482	445
AK	AMAKNAK	2502	380
RI	NAVAL AUX LANDING FIELD	25	362
CA	POINT VICENTE MIL RES FC SITES	157	355
SC	CONWAY BMB&GUNRY RNG	4242	337
NY	COLD SPRING FOUNDRY	1238	250
CA	SAN BER ENGR DEPOT	950	200
DC	CAMP SIMMS	60	100
WA	MANCHESTER ANNEX	2870	60
CO	CAMP HALE	406	45
	TOTAL DOD INTEREST PROJECTS	103731	86664

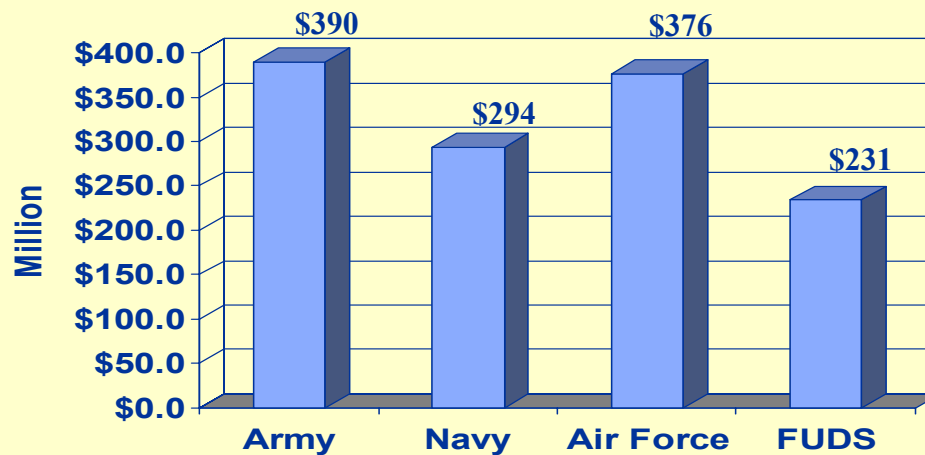


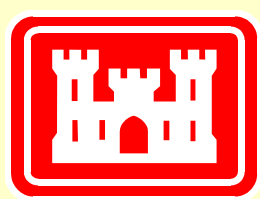
DoD-Wide CTC v. DERP Funding

Cost to Complete



Funding in FY01

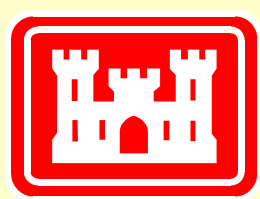




FUDS FY02 Workplan Funding Impacts (\$190.2M)



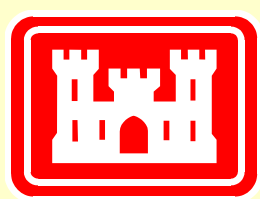
- 18% reduction from FY01 (\$231M) funding
- Only \$163M available for project execution
- To accommodate high profile projects, high priority ongoing projects execution will be delayed
- 46% reduction in POD (AK,HI) funding
- Funding reduction affects manpower allocation and project execution
- Project execution delay increases Cost to Complete and mobilization cost
- Project execution delay affects our ability to meet the DoD program goals



FUDS Ordnance Program



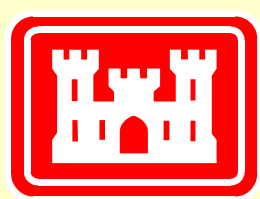
- FUDS Ordnance Program is funded at about \$40 million/year
- Current estimated cost to complete (CTC) for ordnance projects is \$14.3 Billion (preliminary estimate)
- We strive for six new starts on ordnance each year, while continuing ongoing projects
- Projects are prioritized according to Risk Assessment Code (RAC) scores (RAC 1, highest potential for danger, to RAC 5, no action)



Process for Execution of FUDS Ordnance Projects



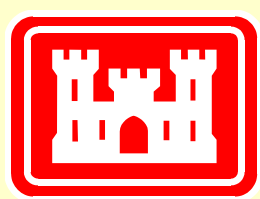
- Inventory Project Report (INPR) Cataloging Effort
 - Project Assessment of Eligibility (PAE)
 - Potential Project Descriptions
 - Risk Assessment Code (RAC) Computation for Ordnance
- Archive Search Report
 - Provides history and use of site, interviews, other research
 - Provides updated RAC based on more information
 - Confirms DoD's potential ordnance liability
- Engineering Evaluation/Cost Analysis (EE/CA) (parallels Remedial Investigation/Feasibility Study)
- Action Memorandum (parallels Record of Decision)
- Removal Design •• Removal Action •• Closeout



Chemical Warfare Materiel Sites DASA(ESOH) Briefing to Mr. Dubois (DUSD(E&I))

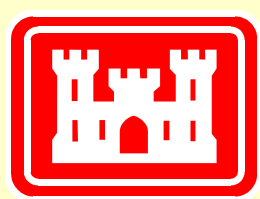


- 46 CWM sites in FUDS inventory
- FY02 DASA initiative
- FY99 DERP Annual Report to Congress
 - Potential cost growth to \$1B
 - Need for better estimating tool
- Phased approach required to identify risk and cleanup requirements
- Recommended additional funding above POM:
 - FY03-04 Site Scoping (FY03 - \$4.7M, FY04 - \$4.9M)
 - FY05-07 Site Characterization
 - FY07-14 Site Cleanup



Unexploded Ordnance (UXO) Initiatives

- **Range Inventory:** Required by Draft DoD Directive 4715.CTT for Closed, Transferring, or Transferred ranges.
- **DoD and EPA Management Principles:** Principles cooperatively developed to guide cleanup of UXO (until passage of DoD Range Rule, withdrawn from OMB review)
- **Stakeholder outreach:** Coordinating “No DoD Action Indicated” (NDAI) designations
- **Site stabilization:** Ensuring public safety while awaiting funding for final remedy)

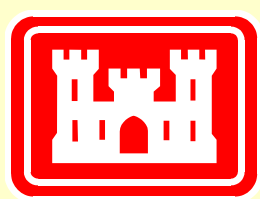


FUDS FY02 WORKPLAN

Plus Up (\$40.0M)

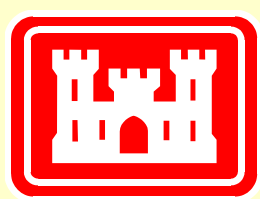


- Unrestricted Plus Up Utilization
 1. Provide additional DASA(ESOH) Special Project Funding
 2. Expedite Cleanup to Achieve DOD Clean Up Goals
 3. Expedite Archive Search Report Completion
 4. Provide Additional Funding for Alaska Projects
 5. Conduct State-wide MAPs
 6. Expedite INPRs Funding for New Properties
 7. Re-examine INPRs per State Request
 8. Complete HTRW Projects' Relative Risk Evaluations
 9. Expedite OE Projects EE/CA efforts
 10. Provide Additional OE Funding
 11. Expedite Property Cleanup and Closeout



FUDS Potential Program Initiatives

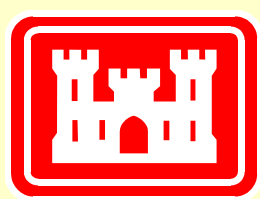
- Management
 - Increased Department of the Army oversight/new charter
 - Defense Planning Guidance revisions
 - New measures of merit
 - Increased stakeholder involvement
 - FUDS improvement working group
 - 2002 OE project quality assurance reviews
- Execution
 - Regional contracting
 - Closeout of properties
 - Database improvements - public access
 - Pilot Management Action Plans



GAO Audit on FUDS



- Requested by Congressmen John Dingell and Tom Sawyer
- Investigate various program topics (FUDSMIS, relative risk, RAC, CTC, cleanup status, remedy selection, response complete, property/project closeout, regulator coordination, public participation, etc.)
- Have raised many program questions and requested background data
- CEMP-RF has provided several data files including three FUDS property/project data tables totaling 310 pages (8.5 x 14 size)
- GAO is expecting to use the FUDSMIS data information to develop strategies for further program investigations and plans for division/district interviews and site visits
- June 2001: began two audits on NDAI and eligibility criteria



Ongoing External Audits on FUDS

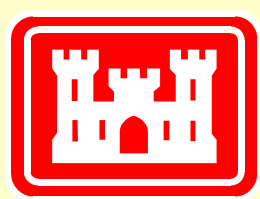


- **GAO Audits**

- Status of FUDS Cleanup Actions as indicated in FUDSMIS
- Basis for NDAI-I determination at 4,100 FUDS Properties
- FUDS outreach to regulators/stakeholders
- Records on initial FUDS inventory and process for identifying areas of environmental contamination (particularly in Guam)
- DERP environmental liability (including FUDS)
- DERP PRP cost sharing and cost recovery (including FUDS)
- Spring Valley

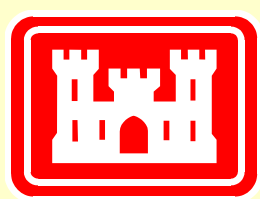
- **AAA Audits**

- Environmental liability for unexploded ordnance
- FUDSMIS system development and integration with RACER



OEW Line Item Reviews

- Objectives
 - Finalized list of Division OEW projects with consensus data
 - Transferred information to Divisions regarding range inventory, cost estimated, and Division responsibilities
- Status
 - Completed all Division reviews in FY01
- Reviews positioned FUDS to refine OE CTC for FY01 Annual Report to Congress and report OE requirements rapidly, consistently, and confidently to higher HQ for all OE datacalls



2002 OE/HTRW Quality Assurance Reviews



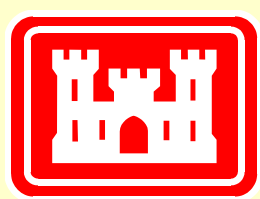
- Starting in Feb 02, CXs will visit Districts for project quality assurance review
- FY02 QA review builds on the foundation of the FY01 project by project reviews
- FY02 QA agenda:
 - Review randomly selected projects to ensure appropriate project documents are available (INPR, ASR, RACER CTC, etc.)
 - Review FUDSMIS data inputs to ensure they are supported by project documents
 - Review administration record to ensure existing adequacy
 - Review cost estimating for all OEW/CWM projects and OEW projects with selected remedy (assist Districts in completing these estimates during visit)
- CXs will document results of visit with trip report to HQ



Web Links for Community Involvement



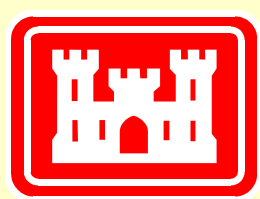
- Stakeholder Access to FUDS Web Information
 - Directly from HQ USACE
 - <http://hq.environmental.usace.army.mil/programs/funds/fuds.html>
 - HQ USACE links to all Districts and Divisions
 - <http://www.usace.army.mil/organizations.htm>
 - Future link to FUDSMIS for the public at large to include project data and Geographic Information System (GIS) mapping
 - Defense Environmental Restoration Program (DERP): Project Information Retrieval System (PIRS)
 - Real time document retrieval system for Corps of Engineers in support of its projects and programs
 - <http://pirs.mvr.usace.army.mil/fuds/fuds.htm>
 - Defense Environmental Network & Information Exchange (**DENIX**)
 - Levels of access to DENIX given for various users: Public, state, DOD and international; requires log-in and password
 - <http://www.denix.osd.mil/>



FUDS on the Web



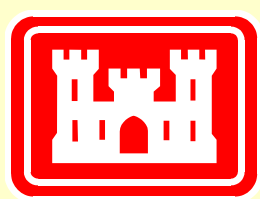
- Issue:
 - Public has a difficult time understanding FUDS Web info
 - Outdated info spread among Web sites without coordinating efforts
 - Internal and external info needs need to be met
- Proposed Solutions:
 - Institute temporary moratorium on CX, Headquarters, Divisions, Districts posting new property/project fact sheets
 - Remove outdated fact sheets, etc. from all sites upon launching Environmental Home Page GIS/FUDSMIS site
 - Have links from Environmental FUDS page to District FUDS pages
 - Districts should continue to post FUDS community involvement information to district Web pages – public will usually look there first



FUDS Improvement Working Group

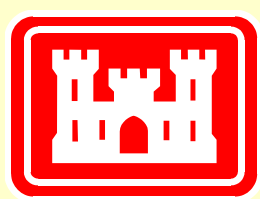


- Members include:
 - (2) State, (3) EPA, (1) TASWER, (1) OSD, (2) Army
- Met 12 times since October 2000
 - Plans to continue to meet over next 6 months
- Five issues with near-term actions:
 - Statewide Management Action Plans (MAP)
 - Coordination of decision points and closure
 - New Inventory Project Reports (INPR)
 - Historical INPRs
 - Funding of FUDS program
 - Lead regulator



FUDS Improvement Working Group

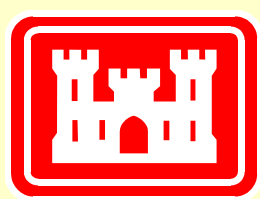
- Future Issues to be addressed:
 - Terrorist Bill Lead Agency/DERP Management Guidance (EPA concern)
 - Monitoring of pilot statewide MAPs
 - State, Tribes, and EPA determining who is the lead regulator at a FUDS
 - Addressing EPA and State concerns with existing PRP process
 - Improving accuracy, completeness, and accessibility of FUDS data and inventory
 - Recommending changes to FUDS manual
 - Understanding the interface between INPR and CERCLA PA/SI processes



Native American Lands Mitigation Program (NALEMP)

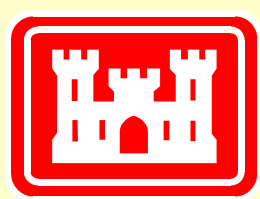


- Implemented 1996: DoD investment FY96 to 01=\$50 M
 - 85% spent on field projects, Cooperative Agreements (CA), technology demonstrations, and site assessments
 - 15% spent on Native American Environmental Tracking System (NAETS), policy, cultural sensitivity training, and outreach
- USACE assists DoD in partnerships with federally recognized tribes
- Goals
 - Assess environmental impacts
 - Partner with Tribal Governments
 - Facilitate Tribal participation
 - Build cross-cultural communications
 - Reach out to Tribes
 - Learn about Tribal cultures



NALEMP (cont)

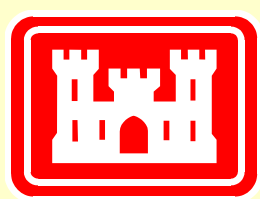
- FY02 Funding - still awaiting authorization and funding, Continuing Resolution
- Many future FUDS with OEW on tribal lands



Challenges

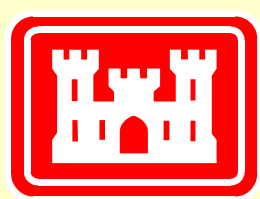
Cannot meet DoD goals with current budget

- Considerable property/project growth each year
- Increased ordnance requirements
- Increased unbudgeted requirements
- Congressional demands
- Stakeholder/Public demands
- Regulatory challenges to authority



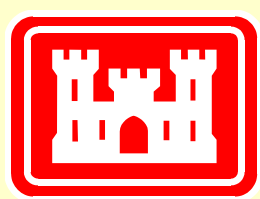
FUDS Program Conclusions

- The FUDS Program is not adequately funded to make significant progress against the current requirements and stakeholder demands
- In the coming year look for more interest in the FUDS Program from Congress, DoD (Outsourcing and Privatization Initiatives) and Regulators (State and EPA)



FUDS Program Trend

- Highly visible, controversial, and complex DoD program that affects many stakeholders
- Continual property/project growth due to new properties being discovered; results in continual increases in costs
- Regulatory/stakeholder and funding/schedule constraints control the pace of cleanup and closeout activities
- Increased emphasis on rendering properties “clean” of ordnance and explosives (big technological challenges)



Any Questions?

